

Call for Papers

2025 International Workshop on Antenna Technology (iWAT)

Website: <https://attend.ieee.org/iwat-2025/>

	<p style="text-align: center;">February 19-21, 2025 Hilton Cocoa Beach Oceanfront, Cocoa Beach, FL, U.S.A.</p> <div style="display: flex; justify-content: space-around;"></div> <p style="text-align: right; font-size: small;">Antennas and Propagation Society</p>
<p>General Chair Xun Gong <i>Univ. of Central Florida</i></p> <p>Technical Program Committee Chair Satheesh Bojja Venkatakrishnan <i>Florida International Univ.</i> Gokhan Mumcu <i>Univ. of South Florida</i></p> <p>Finance Chair Parveen Wahid <i>Univ. of Central Florida</i> Joe Juisai <i>IEEE Orlando Section</i></p> <p>Publications Chair Hualiang Zhang <i>Univ. of Massachusetts at Lowell</i></p> <p>Paper Competition Chair John Volakis <i>Florida International Univ.</i></p> <p>International Advisory Committee Chairs Zhi Ning Chen <i>National Univ. of Singapore</i> Raj Mittra <i>Univ. of Central Florida</i></p>	<p>The International Workshop on Antenna Technology (iWAT) is an annual forum for the exchange of information on the research and development in innovative antenna technologies. It especially focuses on small antennas and applications of advanced and artificial materials to the antenna design. At iWAT, all the oral presentations are delivered by invited prominent researchers and professors. iWAT has a particular focus on posters by which authors have the opportunity to interact with leading researchers in their fields. iWAT2025 is a continuation of a series of annual international antenna workshops held in Singapore (2005), White Plaines, USA (2006), Cambridge, UK (2007), Chiba, Japan (2008), Santa Monica, USA (2009), Lisbon, Portugal (2010), Hong Kong, PRC (2011), Tucson, USA (2012), Karlsruhe, Germany (2013), Sydney, Australia (2014), Seoul, Republic of Korea (2015), Cocoa Beach, Florida, USA (2016), Athens, Greece (2017), Nanjing, China (2018), Miami, USA (2019), Bucharest, Romania (2020), Dublin, Ireland (2022), Aalborg, Denmark (2023), and Sendai, Japan (2024).</p> <p>The workshop is technically sponsored by <i>IEEE AP-S</i> and financially sponsored by IEEE Orlando Section.</p> <p>Special interests: Novel Structures and Manufacturing Technology</p> <p>Topics include but are not limited to the following:</p> <p>Small Antennas</p> <ul style="list-style-type: none">• Adaptive (smart) arrays• Antenna Design and Analysis Based on Characteristic or Eigen Modes• Antenna measurements• Antennas on/in IC packages• Body-Centric Antennas• Broadband antennas• Conformal antennas• Magnetic Nanoparticles, Graphene or Carbon-nanotubes in Antennas• Measurements for SAR of handheld devices• MEMS/nano technology for antennas• Terahertz Nano and optical antennas• Modeling and simulations• Non-Foster/active elements• On-chip antennas• Reconfigurable antennas• Reflectarrays• Ultra-wideband (UWB) antennas• Wearable, Implanted and Encapsulated antennas• 3D printed antennas and structures <p>Innovative Structures</p> <ul style="list-style-type: none">• Analysis and design of EM materials• Artificial magnetic conductors (AMC)• Electromagnetic anisotropy <ul style="list-style-type: none">• Electromagnetic bandgap (EBG) structures• Frequency selective surfaces (FSS)• Single and double negative metamaterials• Electromagnetic Skins: Epidermal, Flexible and Stretchable Antennas, Sensing Substrates <p>Applications</p> <ul style="list-style-type: none">• Automotive systems• Biomedical and Healthcare applications• Bluetooth/WLAN (PDAs, laptops)• Energy harvesting• Hyperthermia and RF Ablation• GPS systems• Medical Diagnostic and Therapeutic Applications.• Millimeter-wave/terahertz communications and imaging• MIMO systems• RFID antennas and Wireless Sensing systems• Software-defined / cognitive radio• Satellite communications• UWB communications• WBAN systems,• Wireless communication systems (handheld devices, base stations)• Wireless power transmission and harvesting for implanted systems• 5G communication systems
	<p>Important Dates</p> <p>Deadline of paper submission: September 30, 2024–October 20, 2024 Notification of acceptance: November 15, 2024 Final manuscript due: November 29, 2024</p>
	<p>Paper Submission Guidelines</p> <p>Authors MUST submit camera-ready papers that are 2 to 4 pages including figures by September 30, 2024–October 20, 2024 via the workshop website. All papers must be formatted in two-column IEEE format including figures and electronic submissions must meet all IEEE Xplore specifications. See the workshop website for templates and more information on creating acceptable electronic files.</p>